



1 MQTCPLAFPG HVSQALGTLL FLAASLSAQN EGWDSPICTE GVVSVSWG  
51 TVMSCNISNA FSHVNKLRA HGQESAIFNE VAPGYFSRDG WQLQVQGGVA  
101 QLVIKGARDS HAGLYMWHLV GHQRNNRQVT LEVSGAEPQS APDTGFWPVP  
151 AVVTAVFILL VALVMFAWYR CRCSQQRREK KFFLLEPQMK VAALRAGAQ  
201 GLSRASAEWL TPDSEPTPRP LALVFKPSPL GALELLSPQP LFPYAADP\*

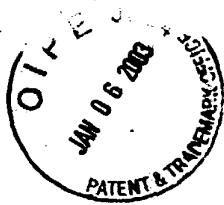
Fig. 1



K12 promoter (1-195) and cDNA (196-2180) sequence

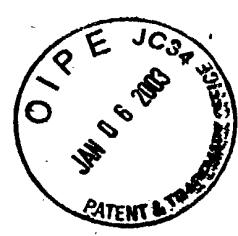
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101 GAGGCTTCCC GTAAAACCCAG CTCCTTCCTC ATCTGGGAGG TGGGTCCCGC  
151 GCGGGTCCGC CGCCTCCTCC CTGGCCCCCTC CCTCTCGTGT CTTTCATTTC  
201 CCTGGGGCTC CGGGGCGCGG AGAAGCTGCA TCCCAGAGGA GCGCGTCCAG  
251 GAGCGGACCC GGGAGTGTTC CAAGAGCCAG TGACAAAGGAC CAGGGGCCA  
301 AGTCCCACCA GCCATGCAGA CCTGCCCCCT GGCATTCCCT GGCCACGTTT  
351 CCCAGGCCCT TGGGACCCCTC CTGTTTTGG CTGCCTCCTT GAGTGCTCAG  
401 AATGAAGGCT GGGACAGCCC CATCTGCACA GAGGGGGTAG TCTCTGTGTC  
451 TTGGGGCGAG AACACCGTCA TGTCTTGCAA CATCTCCAAC GCCTTCTCCC  
501 ATGTCAACAT CAAGCTGCCT GCCCACGGC AGGAGAGCGC CATCTTCAAT  
551 GAGGTGGCTC CAGGCTACTT CTCCCGGGAC GGCTGGCAGC TCCAGGTTCA  
601 GGGAGGCCTG GCACAGCTGG TGATCAAAGG CGCCCGGGAC TCCCATGCTG  
651 GGCTGTACAT GTGGCACCTC GTGGGACACC AGAGAAATAA CAGACAAGTC  
701 ACGCTGGAGG TTTCAGGTGC AGAACCCAG TCCGCCCCCTG ACACCTGGTT  
751 CTGGCCTGTG CCAGCGGTGG TCACTGCTGT CTTCATCCTC TTGGTCGCTC  
801 TGGTCATGTT CGCCTGGTAC AGGTGCCGCT GTTCCCAGCA ACGCCGGGAG  
851 AAGAAGTTCT TCCTCCTAGA ACCCCAGATG AAGGTGCGAG CCCTCAGAGC  
901 GGGAGCCCAG CAGGGCCTGA GCAGAGCCTC CGCTGAACCTG TGGACCCCCAG  
951 ACTCCGAGCC CACCCCCAAGG CCGCTGGCAC TGGTGTCAA ACCCTCACCA  
1001 CTTGGAGCCC TGGAGCTGCT GTCCCCCCCAC ACCCTTGTTC CCATATGCCG  
1051 CAGACCCATA GCCGCCTGCA AGGCAGAGAG GACACAGGAG AGCCAGCCCT  
1101 GAGTGCCGAC CTTGGGTGGC GGGGCCTGGG TCTCTCGTCC CACCCGGAGG  
1151 GCACAGACAC CGGCTTGCTT GGCAGGCTGG GCCTCTGTGT CACCCACTCC

Fig.2A



1201 TGGGTGCGTG CAGACCCCTTC CCCTCCACCC CCCAGGTCTT CCAAGCTCTG  
1251 CTTCCCTCAGT TTCCAAAATG GAACCACCTC ACCTCCGCAG CACCCGACTT  
1301 ACCAGGGACGC ATGCCCTCTCC CTCTGCCCTC ATCAAACCCA CAGACCCGGA  
1351 CTCCCTTTCT GCCACCCCAG GCTGGTCCGG CCCCAGGTGT GGGGTCCGCT  
1401 CTCTCCACTC CCAGGGCTCC GCGCCCAAGT GAGGGGGCCC CTGCCGGAGC  
1451 CTCAGACACA CTGGAGTTCA GGGCTGGGGG GGCCTTGGCA CATAACCTGTC  
1501 CCTTGGCTAT GAGCAGGCTT TGGGGGCCCT TCCGCGGCAG CCCCAGGGGC  
1551 CGAGGTAGGG TCTGGGGGCT TAGAGGCTGG GATGGCTCCT GGCCCCACCG  
1601 CCAGGGGGCA AGCGCAGGCC GGGCTGGGAG GCGGCGGCCG CGGCTCGGGC  
1651 TGGGGGGTCA GGTGGACGCT GCCTCCGGGG CTGGTCGCAG ATCCCTCAGT  
1701 CCCTCGGCCA CCCGGGGTC GCTCCCTCGT GCCCACCGCA CCTGCCGAGC  
1751 CTCTTGGAC CCAGATCTGT TCATGCTTT GTCTTCGTCA CTGCGGGGGG  
1801 GCCCTTGAT GTCTTCATCT GTATGGGTG GAAATATCAC CGGGAATCCC  
1851 CCTTCAGTTC TTTGAAAAAG TTCCATGACT CGAATATCTG AAATGAAGAA  
1901 AACAAACCGA CTCACAAACC TCCAAGTAGC TCCAAATGCA ATTTTTAAAA  
1951 TGGAAAACAA AAATCTGAAA GAAACGTCTT TAGTGGCTTT AAGCCCCAAA  
2001 ACGTCCCTAA GGCGTCCTCG AGATGAAGAC GGGGGGGAGC CCCAGCCAGG  
2051 TGGAGACCCC GCAGGACGCG GCGGCGCCCG GTGACCGAGG CCTCGCACAG  
2101 CCGGCCGCC TGAGGGTCGG GCCGAGCCAG GGTCCAAGAG GGGCGCGTTT  
2151 GTGTCTCGGG TTAAAATAAG GTTCCGTCCG

Fig.2B



Juhkera CEM-BL Meq-01 HTR29 OVC-A HEL K562 Hu178  
 Juhkera CEM-BL Meq-01 HTR29 OVC-A HEL K562 Hu178  
 K562 HEL+hematin  
 K562+hematin  
 HEL+hematin  
 HEL+hematin  
 Hu178  
 HTR29 OVC-A SKBR3

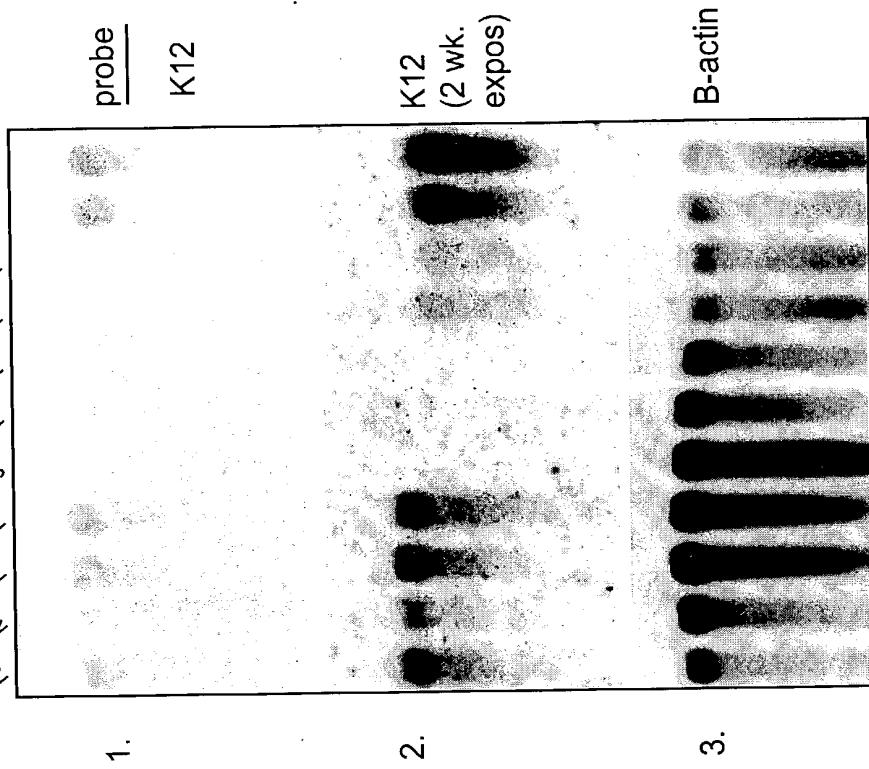


Fig.3A

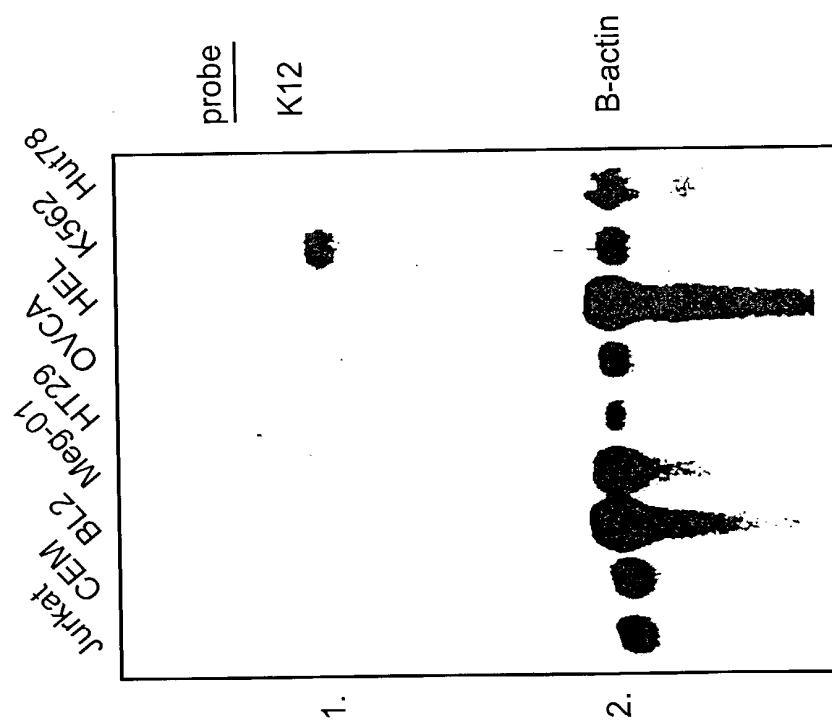


Fig.3B

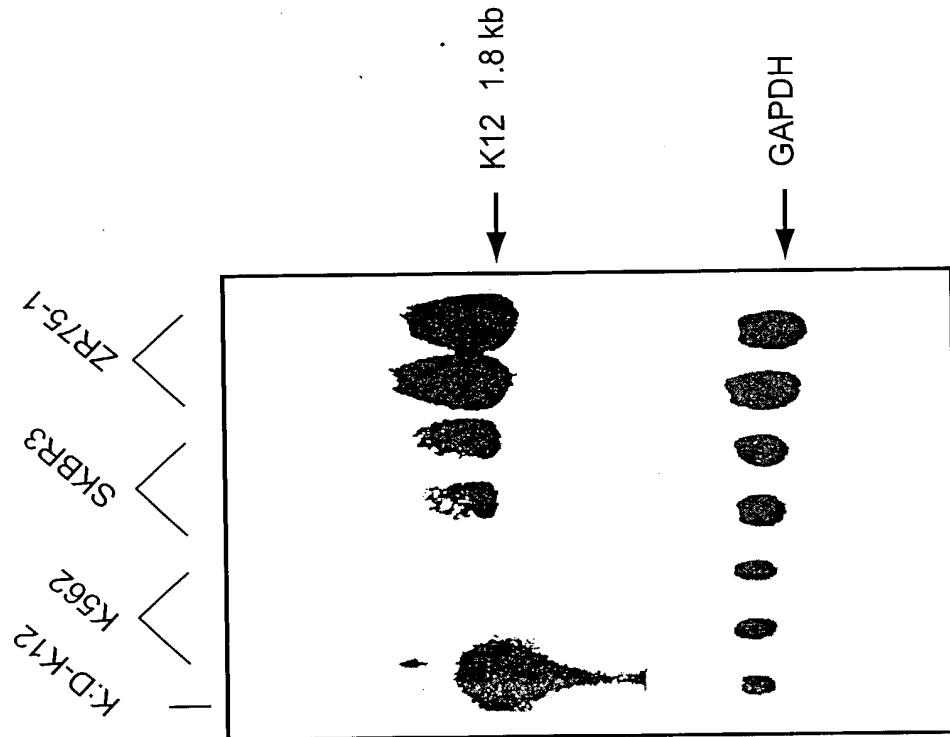
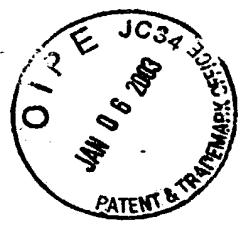


Fig.3D

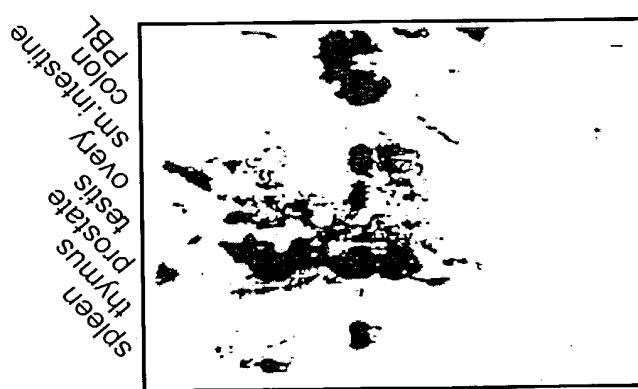
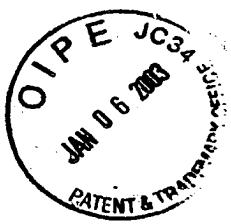


Fig.3C



1 110 630 522 13 110 630 522

1 2 3 4 5 6 7 8 9 10

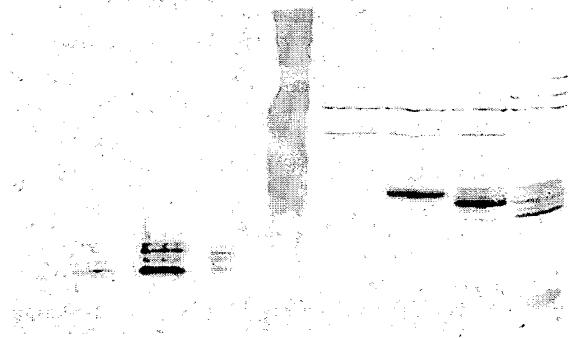


Fig.4



Fig.5A



Fig.5B

3 000 836 222 • 0 3 006 013

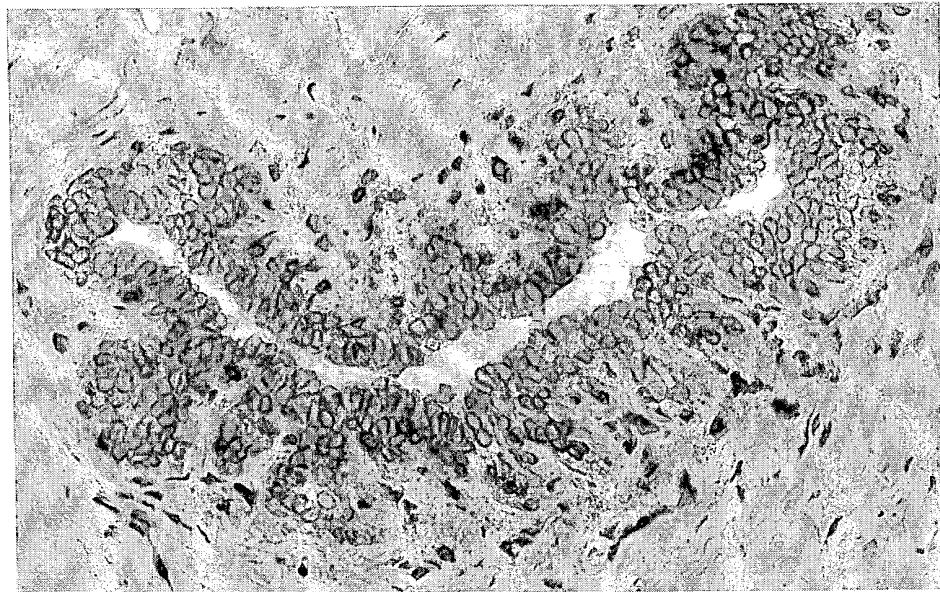
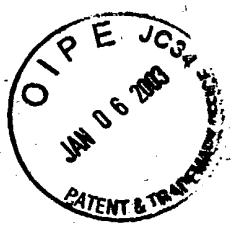


Fig.6A

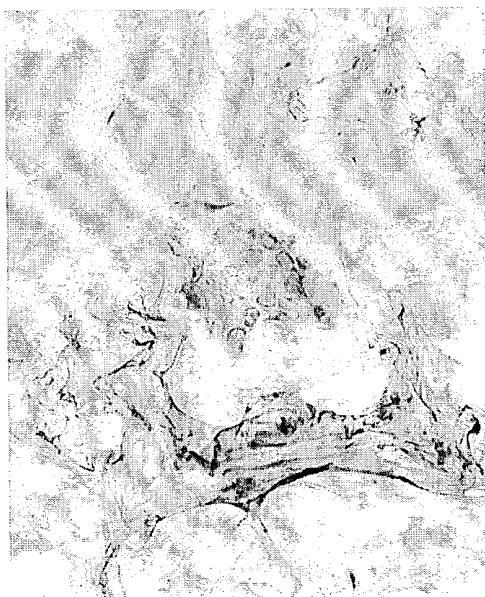


Fig.6B

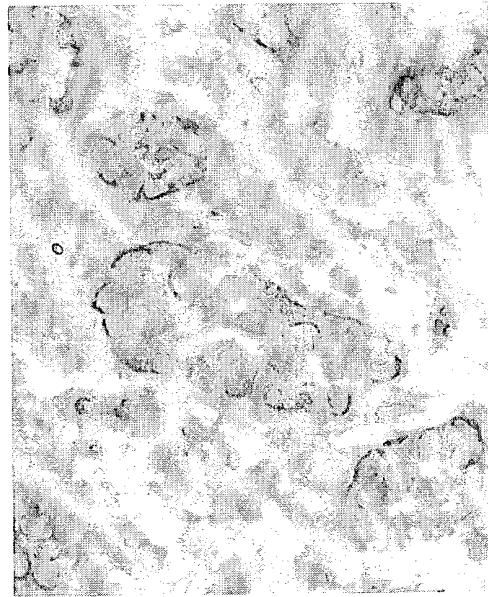


Fig.6C

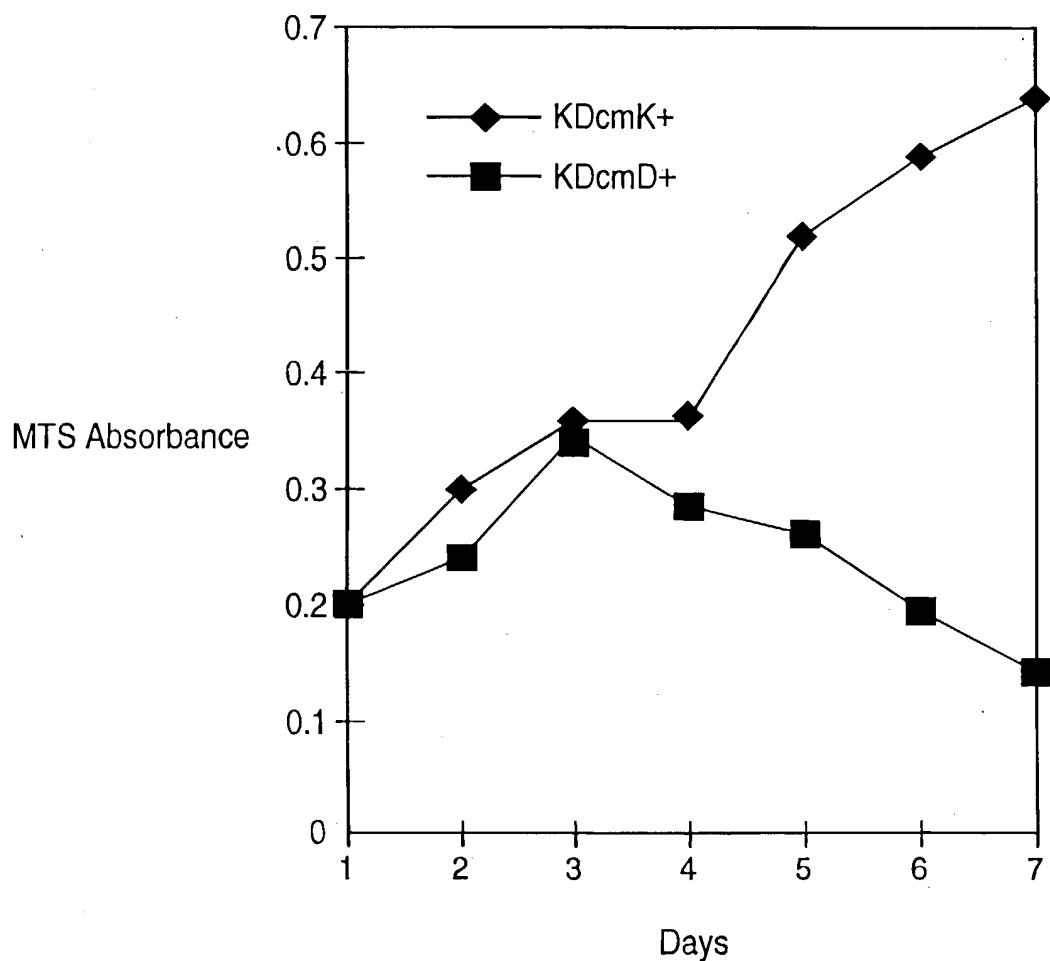
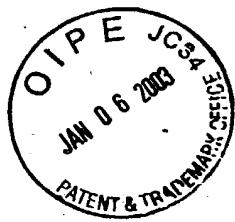


Fig.7